

Skin Recipe

1. Fill the bottom of a clear, plastic cup with Corn Puffs Cereal or yellow jello.
2. Add red jello on top of the Corn Puffs (or yellow jello). The red jello represents the dermis.
3. Using the following ingredients, place them appropriately in the red jello according to their actual placement in the dermis.
 - M & M Peanuts represent the sebaceous glands.
 - Grapes represent the sudoriferous glands.
4. Spread a layer of whipped cream (thickness) on top to represent the stratum germinativum. Remember to check the thickness.
5. You may use cocoa to add melanin to your "skin" color.
6. Sprinkle a fine coating of crushed up Corn Flakes on top of the whipped cream to represent the stratum corneum.
7. Insert a licorice stick (hair) through the whipped cream into the dermis.

Now answer the following questions about this activity.

1. Why was yellow jello or Corn Puff Cereal used to represent the subcutaneous layer?

2. Why is the subcutaneous layer a desirable site for some injections?

3. Explain why the red jello was used to represent the dermis. _____

4. Which is the deepest layer of the integumentary system? _____
5. The licorice represents the hair shaft. Explain why you pushed it through the whipped cream and jello:

6. Which glands are the most numerous? _____
7. In what layer are sebaceous glands located? _____ What is their function? _____

8. Using the characteristics of the epidermis, why was whipped cream a better representation than the red jello?

Appendix 004.01D